

Serial No.: 10/603,986

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
on December 22, 2004

Date of Deposit

Anthony P. Curtis, Ph.D. Registration No. 46,193

Name of applicant, assignee or  
Registered Representative

Signature

December 22, 2004

Date of Signature

Our Case No. 9281-4589  
Client Ref. No. N US01139

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Naoya HASEGAWA et al.

Serial No. 10/603,986

Filing Date: June 24, 2003

For: MAGNETIC SENSING ELEMENT  
INCLUDING SECOND FREE  
MAGNETIC LAYER EXTENDING  
WIDER THAN TRACK WIDTH AND  
METHOD FOR FABRICATING SAME

Examiner: Bernatz, Kevin M.

Group Art Unit No. 1773

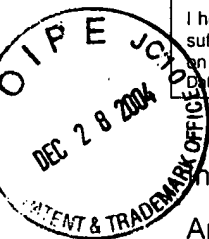
## AMENDMENT AND RESPONSE TO OFFICE ACTION

MS/Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Office Action of October 1, 2004. The Claims begin on page 2, and the Remarks begin on page 10.

01/03/2005 HAL111 00000079 231925 10603986  
01 FC:1201 200.00 DA



## CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the below date:

Date: December 22, 2004 Name: Anthony P. Curtis, Ph.D.

Signature:

BRINKS  
HOFFER  
GILSON  
& LIONE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Naota Hasegawa et al.

Appln. No.: 10/603,986

Filed: June 24, 2003

For: MAGNETIC SENSING ELEMENT INCLUDING  
SECOND FREE MAGNETIC LAYER  
EXTENDING WIDER THAN TRACK WIDTH  
AND METHOD FOR FABRICATING THE SAME

Examiner: Bernatz, Kevin M.

Art Unit: 1773

Attorney Docket No: 9281/4589

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL

Sir:

## Attached is/are:

- ☒ Amendment and Response to Office Action (13p); and  
☒ Return Receipt Postcard

## Fee calculation:

- ☒ No additional fee is required.  
☐ Small Entity.  
☐ An extension fee in an amount of \$\_\_\_\_\_ for a \_\_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).  
☐ A petition or processing fee in an amount of \$\_\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_).  
☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$25=			x \$50=	
Indep.		Minus		2	x 100=			x \$200=	\$200
First Presentation of Multiple Dep. Claim					+\$180=			+\$360=	
					Total	\$		Total	\$200

## Fee payment:

- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed.  
☒ Please charge Deposit Account No. 23-1925 in the amount of \$200. A copy of this Transmittal is enclosed for this purpose.  
☐ Payment by credit card in the amount of \$\_\_\_\_\_ (Form PTO-2038 is attached).  
☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

December 22, 2004

Date

Anthony P. Curtis, Ph.D. (Reg. No. 46,193)